

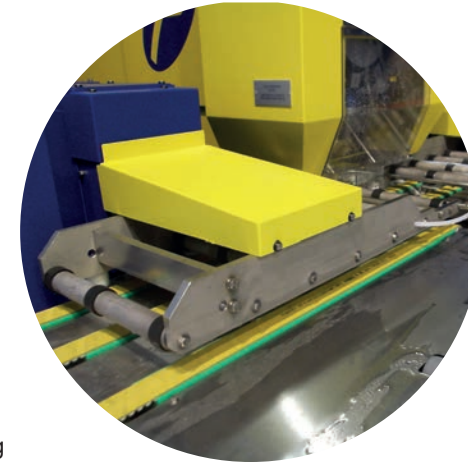


APPLICATIONS & INDUSTRIES

GLASS, TILE & MARBLE

Belts offering high friction and excellent wear resistance. Megadyne offers elastomer and rubber materials that can be fitted to your application. Cover modifications to assist in product handling, such as holes and angular or lateral machining are commonly used in this segment.

- Applications Include:
- Grinding Machines
 - Cutting Lines
 - Beveling Lines
 - Drilling Lines
 - Polishing Lines
 - Tempering Lines



PACKAGING EQUIPMENT

Speed, flexibility and efficiency are essential to a well functioning packaging line. Megadyne provides a wide range of base belts with high friction and high wear resistant covers. Customized machined modifications can be added for optimum performance in packaging applications.

- Applications Include:
- Bagging Lines
 - Blow Molding Machines
 - Capping Lines
 - Cartoning Lines
 - Check Weighing
 - Feed Lines
 - Filling Lines
 - Labeling



FOOD PROCESSING & PACKAGING

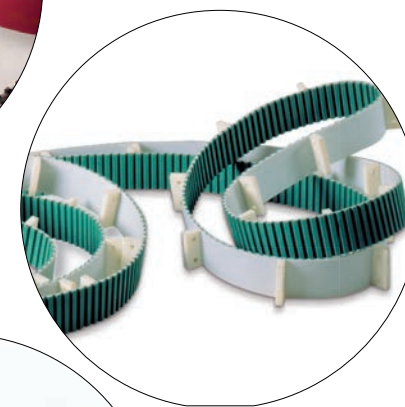
Belts offering high speed and precision handling performance with FDA and USDA materials, designed for use where actuation, positioning, segmentation and placement of product is important to line up-time.

- Applications Include:
- Meat Slicing Belts
 - Inspection Line Belts
 - Vertical Form Fill and Seal Belts
 - Horizontal Form Fill and Seal Belts
 - General Conveying Belts

MODIFICATIONS

Process enhancements, skilled personnel, a can-do attitude and ongoing capital equipment investments enable Megadyne to stay at the forefront of new design developments and solution delivery to customers across the spectrum of industries we serve. Let a Megadyne Technical Sales and Application Engineer create the right belt to deliver optimum performance for your application. In addition to materials and process selection of the base belt, Megadyne can fully customize our belts with the following machined modifications:

- Holes/Perforations
- Pockets
- Slots
- Saw Tooth
- Grooves
- Custom shapes
- Grinding
- Notching/Knife Cut
- Fabric added to the toothside of belt
- Vacuum Countersinks

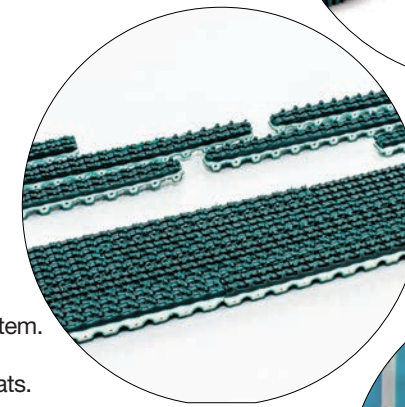


CLEATS

All the cleats are made using thermoplastic polyurethane. The cleats are attached using high frequency vibration and infrared welding. The production process for these profiles is very flexible; Megadyne can design any profile to meet the specific customer requirement.

PPJ

Created to allow the jointing of belts directly on the machine. Allows a very fast belts' replacement. Different coatings can be used for PPJ. AISI302 as standard material of pins.

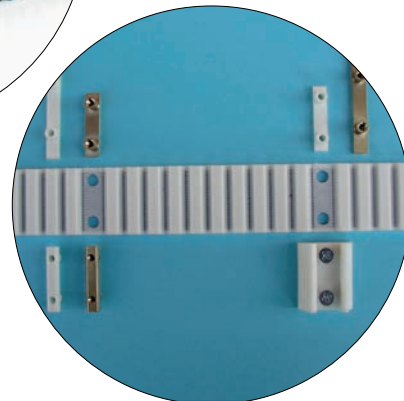


FALSE TOOTH SYSTEM

Megadyne has developed a new solution of mechanical profile application system specially designed for attaching cleats that cannot be welded on polyurethane timing belts: false tooth system.

ADVANTAGES:

- Quick and easy exchange of individually designed cleats.
- Low cost in spare part in case of wear and tear.
- Reduction cost in assembly.
- Easy cleats fixing operation.
- Different cleat's material can be used.
- Not need to remove the belt in case of cleats replacement.
- High precision on profile positioning
- Available on MEGALINEAR JOINED, MEGAFLEX and MEGAPOWER in all possible executions.



PAPER & PRINT

Speed and efficient handling of paper materials is essential for uptime and quality. From a broad range of elastomer options, Megadyne can provide the right combination of substrate and cover materials to yield wear resistance, the right coefficient of friction and anti-static requirements. Modifications such as holes for slots, counter slots and vacuum draw are a Megadyne specialty.

Applications Include:

- Banking - ATMs, Card Readers, Bill and Coin Changers, Money and Check Sorting
- Commercial Printing Equipment
- Bindery Equipment
- Mail Handling Equipment
- Collating Machines
- Ticketing Machines
- Newspaper Equipment



MATERIALS HANDLING

Starting with substrates designed for synchronous or non synchronous applications, Megadyne offers a wide range of materials and manufacturing processes to deliver the right results for your product handling and linear position need.

Applications Include:

- Wire/Cable/Extrusion
- Wood/Veneer/Fenestration
- 3D printing/Rapid Prototype Automation Equipment
- Tobacco/Cigarettes
- Fiber Optics
- X/Y Drives
- Robotics
- Medical Equipment/Pills/Capsules
- Security Camera Positioning
- Theatre Lighting Positioning
- Swimming Pool Cleaners



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INTERNAL CODE	COATING TYPE	ROW MATERIAL	HARDNESS (SH, A) VOLUME WEIGHT KG/M ³	COLOR	COATING AND BELT COHESION METHOD	STANDARD THICKNESS ON REQUEST (*) HIGHER THICKNESS ON REQUEST	TOLERANCE ON THE COATING THICKNESS	WORKING TEMPERATURE RANGE (C)	FRICITION COEFFICIENT (1)	WATER RESISTANCE	ABRASION RESISTANCE	OIL RESISTANCE ****	FDA APPROVED	MIN PULLEY DIA = THICKNESS X ...	NOTES
PU	A 1	AVAF60 ° SHORE A	60	transparent	by extrusion	2/2/4	+/- 0.3	-20 +80	0.65	good	good	good	no	x 40	Very adhesive on smooth and dry surfaces
	A 2	AVAF60 ° SHORE A	70	transparent	by extrusion	2/2/4	+/- 0.3	-20 +80	0.65	medium	medium	medium	no	x 40	Very adhesive on smooth and dry surfaces
	A 3	AVAF65 ° SHORE A	85	transparent	by extrusion	2/2/4	+/- 0.3	-20 +80	0.6	very good	very good	good	no	x 40	For heavy and sharp-edged conveying material - Panel sheet and Glass Industry
	A 4	PU FISHBONE 70 ° SHORE A	70	transparent	by extrusion	4,3	+/- 0.5	-20 +80	0.6	very good	very good	medium	no	x 30	Wet conveyor conditions - Glass and Ceramic Industry
	A 5	PU RIBBED (RILLE)	70	transparent	by extrusion	2,7	+/- 0.5	-20 +80	0.6	very good	very good	medium	no	x 35	Reduced adhesion of smooth conveying materials - Drain off liquids
	A 6	NP 385	85	transparent	by extrusion	4	+/- 0.3	-20 +80	0.6	very good	very good	good	no	x 40	For oily conveyor conditions - Contact only on top of the Noppen
	A 7	RED GRIP	50	red	by extrusion	1 to 8	+/- 0.3	-20 +60	0.7	good	very good	very good	no	x 30	Alternative to Linatex - Only available on MEGAFLEX
	A 8	APL RED	55	red	by extrusion	3,5	+/- 0.3	-20 +60	0.7	good	good	good	no	x 30	Alternative to Linatex - Ceramic and Stone Industry
	C 9	ORANGE COVER	42	orange	by extrusion	3/6/9	+/- 0.3	-25 +65	0.8	good	medium	medium	no	x 20	Soft material, only available on MEGAFLEX
	C 10	Z-COVER	56	white	by extrusion	3,6	+/- 0.3	-25 +70	0.6	medium	medium	medium	no	x 25	Light density, only available on MEGAFLEX
	E 11	GREEN MILLABLE URETHANE 50	50	green	by vulcanisation	2,4 to 14	+/- 0.3	-40 +80	0.6	good	very good	good	no	x 30	Coating used for conveying abrasive materials, with high friction coefficient, Cable and Wire Industry
	E 12	GREEN MILLABLE URETHANE 70	70	green	by vulcanisation	2,4 to 14	+/- 0.3	-40 +80	0.55	good	very good	good	no	x 30	Coating used for conveying abrasive materials, with high friction coefficient, Cable and Wire Industry
	F 13	POLYTHAN D44	72	transparent brownish	by gluing	1-6	+/- 0.5	-10 +60	0.7	good	good	good	no	30 x	Good resistance against Ozone and UV radiation conveying of panel sheets, wood, glass
PVC	F 14 A	PU-YELLOW	50 25-40 (soft) 60-70 (hard)	yellow	by spraying	1-10	+/- 0.3	-10 +60	0.4	medium	very good	good	no	25 x	Very good abrasion resistance for team - Foil and Paper Industry, Vacuum belts
	F 14 B	PU-GREY/RED	50 25-40 (soft) 60-70 (hard)	grey, red	by spraying	1-10	+/- 0.3	-10 +60	0.4	medium	very good	good	no	25 x	Very good abrasion resistance for team - Foil and Paper Industry, Vacuum belts
	EF 15	CELLOFLEX	350 kg/m ³	yellow brownish	by gluing	2-5	+/- 0.5	-30 +80	0.3	low	medium	low	no	20 x	High flexibility / high absorption rate - Used for sensitive conveying material, foils Higher abrasion resistance as Styromer foams - colour is changing due to UV light
	EF 16	SYLONER BLUE	220 kg/m ³	blue	by gluing	2-20	+/- 0.5	-30 +70	0.5	good	low	low	no	15 x	Hardness: = 10 Shore A; high dynamic load capacity conveyance of lightweight, fragile parts
	EF 17	SYLONER GREEN	300 kg/m ³	green	by gluing	2-25	+/- 0.5	-30 +70	0.5	good	low	low	no	15 x	Hardness: = 15 Shore A; high dynamic load capacity for top pressure belts
	EF 18	SYLONER BROWN	400 kg/m ³	brown	by gluing	2-12	+/- 0.5	-30 +70	0.5	good	medium	low	no	20 x	Hardness: = 22 Shore A; high dynamic load capacity conveyance of glass
	F 19	PVC-FOIL BLUE	40	blue	by gluing	2	+/- 0.5	-15 +70	0.9	good	medium	good	no	40 mm	Due to its very smooth surface good adhesion characteristics for the conveyance of paper and foils but also wood and plastics Conveyor belts for medium load - Joint weldable on ML and MPX
	F 20	PVC-FOIL WHITE	65	white	by gluing	2	+/- 0.5	-20 +100	0.8	good	good	very good	yes	60 mm	Very smooth surface good adhesion characteristics - FDA conveyor belts for medium load Resistant against acids and bases - Joint weldable on ML and MPX
	F 21	SUPERGRIP PETROL	46	petrol (green)	by extrusion by gluing	4,5	+/- 0.5	-10 +60	0.9	good	medium	good	no	60 mm	Applicable for slight height compensation, low shock absorption capabilities Improved adhesion even in case of moisture and dirt for wood, glass and packaging industries Joint weldable on ML and MPX
	F 22	SUPERGRIP WHITE	60	white	by gluing	3,5	+/- 0.5	-10 +100	0.8	good	medium	very good	yes	60 mm	Characteristics same as Supergrip petrol but less flexible - for the conveyance of food Resistant against acids and bases
	F 23	PVC-SAW TOOTH	60	white	by gluing	2,5	+/- 0.5	-15 +70	0.7	good	medium	very good	yes	60 mm	FDA clear pattern for improved adhesion under wet conditions Line contact, resistant against acids and bases
	F 24	PVC-MAPPED	65	white	by gluing	1,5	+/- 0.5	-15 +60	0.8	good	medium	very good	yes	60 mm	FDA thin profile for improved adhesion even under moist conditions - conveyance of packages in the food industry Resistant against acids and bases
	RUBBER	F 25	PVC-FISHBONE	65	white	by gluing	3	+/- 0.5	-15 +90	0.8	good	good	very good	yes	60 mm
F 26		MINIGRIP GREEN	60	petrol (green)	by gluing	1,3	+/- 0.5	-10 +70	0.7	good	medium	good	no	30 mm	Thin profile for better adhesion even under moist or dusty conditions - reduces sticking of smooth and dry conveyed goods as flat glass resistant against acids and bases
EF 27		LINATEX (RED)	40	red	by vulcanisation (40 SHA) by gluing (38 SHA)	3-12,7 1-10	+/- 1 (*)	-40 +70	0.9	good	good	low	no	20 x	Very widely-used, universally applicable - coating used for conveying abrasive materials with high friction coefficient good wear resistance, good around water but poor in oil - applications as discharge belts or for use in a vacuum VFFS
F 28		LINARD	60	red	by gluing	1-6	+/- 1 (*)	-30 +70	0.6	good	good	medium	no	30 x	Coating with high abrasion resistance but less adhesion in comparison to Linatex
F 29		LINAPLUS FG	38	white	by gluing	1-3	+/- 1 (*)	-40 +70°C	0.75	good	medium	low	yes	25 x	FDA conveyance of wet and/or pressure-sensitive food non marking
F 30		LINATRE	55	orange	by gluing	1-10	+/- 1 (*)	-20 +110°C	0.7	good	good	good	no	25 x	Improved temperature, oil, grease and ageing resistance compared to natural rubber comparably good mechanical processing capability vacuum transport of oil-covered sheets
F 31		RP 40-YELLOW	38	yellow	by gluing	2-6	+/- 0.5	-10 +80	0.8	good	good	low	no	20 x	Fine fabric structure, characteristics similar to Linatex but higher abrasion resistance wood, glass and steel industry, application cable pulling systems
F 32		CORREX BEIGE	36	beige	by gluing	2-6	+/- 0.5	-10 +70	0.7	medium	good	low	no	20 x	Universally applicable, characteristics similar to Linatex conveyance of aluminium profiles and tubings layers of adhesives may be visible in the overlapping joint
F 33		CORREX BLACK	60	black	by gluing	2-6	+/- 0.5	-10 +70	0.6	medium	good	low	no	30 x	Similar to Correx beige but with higher abrasion resistance and less adhesion
F 34		NBR	50-65	black	by gluing	2-6	+/- 0.5	-35 +70	0.7	very good	low	good	no	30 x	Improved oil and grease resistance compared to natural rubber
F 35		EPDM	70	black	by gluing	2-5	+/- 0.5	...-20 +120	1.1	very good	low	low	no	35 x	For hot glass or metal products improved chemicals and ageing resistance
EF 36		VITON (FKM)	75	black	by gluing	2-4	+/- 0.5	-10 +190	0.7	very good	good	very good	no	40 x	Extremely high temperature and oil resistance for the conveyance of heated goods applications in solar cell production ATTENTION of lower temperature resistance of base belt and glue.
EF 37		POPOL BLACK	290 kg/m ³	black	by gluing	2-20	+/- 0.5	-40 +70	1.2	very good	medium	medium	no	15 x	Widely-used, closed cell, soft elastic cellular rubber with improved wearing resistance, for textile and paper industry on request with Nylon cover for bottle organizer
OTHERS	B 38	TKX RED	50	red	"one shot" curing	<= 16 (**)	+/- 0.25	-20 +60	0.7	medium	good	low	no	Ømin + TK6 (*)	Universally applicable, alternative to Linatex only available on rubber base belts
	B 39	BLUE GRIP	57	blue	"one shot" curing	<= 12,5 (**)	+/- 0.25	-20 +80	0.8	medium	very good	medium	no	Ømin + TK6 (*)	Universally applicable, alternative to Linatex improved wearing resistance only available on rubber base belts
	B 40	HTX (SILBLE)	64	blue	"one shot" curing	<= 12 (**)	+/- 0.3	0 +175	1.6	very good	medium	good	no	Ømin + TK6 (*)	High temperature and UV resistant application e.g. printing industry corrugated board only available on rubber base belts
	D 41	YELLOW NON-MARKING GUM	35 - 45	yellow	"one shot" curing	1,6 - 12	+/- 0.3	-25 to +65	1.3	good	very good	low	no	Ømin + TK6 (*)	Compound used in applications that involve indexing corrugated, positioning product, and packaging. only available on rubber base belts
	D 42	RED NON-MARKING NITRILE/ PVC 65	63 - 70	red	"one shot" curing	1,6 - 12	+/- 0.3	-10 to +110	0.8	good	medium	very good	no	Ømin + TK10 (*)	Recommended for applications requiring good coefficient of friction and excellent oil resistance. only available on rubber base belts
	D 43	BLUE FDA NEOPRENE 65	63 - 73	blue	"one shot" curing	1,6 - 12	+/- 0.3	-35 to +105	0.8	good	very good	good	yes	Ømin + TK10 (*)	Polychloroprene compounds are uniquely suitable for a wide array of applications. Good resistance to weather and ozone attack. Self-explaining. Generally good resistance to acid solutions. only available on rubber base belts
	E 44	TAN NATURAL RUBBER 40	40	tan	by vulcanisation	2,4 - 14	+/- 0.3	-20 +80	0.6	good	good	low	no	20 x	Coating used for conveying the materials with high friction. Average wear and tear and abrasion resistance. Good water but poor resistance, non marking
	E 45	BLUE ANTI-GLAZE NATURAL RUBBER	40	blue	by vulcanisation	2,4 - 14	+/- 0.3	-20 +80	0.55	good	good	low	no	20 x	Anti-glazing material, used to convey materials with high friction coefficient, good wear resistance, good around water but poor around oil
	ED 46	DUROTAQ™	45	orange	by vulcanisation	2,4 - 14	+/- 0.3	-20 +100	1.1	good	very good	low	no	20 x	Coating used for conveying materials, with high friction coefficient, good wear resistance, very good to the water but poor resistance to oil
	ED 47	RED NATURAL RUBBER 40	40	red	by vulcanisation	2,4 - 14	+/- 0.3	-20 +80	0.5	good	good	low	no	20 x	Coating used for conveying materials with high friction coefficient, good wear resistance, very good to the water but poor resistance to oil
	E 48	WITTE NEOPRENE 40	40	white	by vulcanisation	2,4 - 14	+/- 0.3	-20 +120	0.6	good	good	good	no	25 x	Coating used to convey materials with high friction. moderate abrasion /water /oil resistance during luke warm climate.
	E 49	WHITE NITRILE 40	40	white	by vulcanisation	2,4 - 14	+/- 0.3	-20 +120	0.7	good	good	very good	no	25 x	Coating used for conveying abrasive / nonabrasive materials with high friction, very good abrasion, water and oil resistance with moderate heat
	E 50	BLACK NEOPRENE	55	black	by vulcanisation	2,4 - 14	+/- 0.3	-20 +120	0.6	good	good	good	no	30 x	Coating used to convey materials with high friction. moderate abrasion /water /oil resistance during luke warm climate.
E 51	BLUE NATURAL RUBBER 55	55	blue	by vulcanisation	2,4 - 14	+/- 0.3	-20 +80	0.4	good	good	low	no	25 x	Coating used for conveying abrasive materials, with high friction coefficient, good wear resistance, very good to the water but low to the oil	
E 52	GREEN NITRILE 55	55	green	by vulcanisation	2,4 - 14	+/- 0.3	-20 +120	0.7	good	very good	very good	no	30 x	Coating used for conveying abrasive / nonabrasive materials, with high friction. Good abrasion water and oil resistance at luke warm temp.	
E 53	TAN NEOPRENE 55	55	tan	by vulcanisation	2,4 - 14	+/- 0.3	-20 +120	0.6	good	good	good	no	30 x	Coating used for conveying abrasive materials, with high friction coefficient, moderate abrasion/water/oil resistance during luke warm climate	
A/C/ F/E	NBR	-	green blackish black	by extrusion hot welding	0,6 mm by hot welding	+/- 0.3 by hot welding	-20 +80	0,25	good	medium	medium	no	20 mm	NER/NIT is usually applied by extrusion of the base belts in this case the minimum pulley diameters indicated for each profile are valid NER/NIT is usually applied by hot welding. For more information please contact our sales or OEM team Antistatic version available for accumulating conveyor of electronic parts	
F 55	TT60	3,6 kg/m ²	black / grey	by gluing	2	+/- 1	-10 +120°C	0,4	low	very good	medium	no	120 mm	Antistatic characteristics for electronic parts high temperature resistance for the conveyance of heated goods	
F 56	CHROME LEATHER	65	grey	by gluing	2-3	+/- 0.5	0 +60°C	0,4	good	good	good	no	50 x	Roughened, thus soft surface, good cutting resistance, high oil and grease resistance also good degree of grip characteristic conveyance of sharp-edged, oiled or greased parts	
EF 57	SILICONE	40	white beige/grey/ red/ transparent/ blue	by coating	0,5-6	+/- 0.5	-40 +180°C	values on request	good	low	good	yes	20 x	FDA available for food industry High temperature application non sticking applications	

* = with additional grinding +/- 0.3 mm possible
 ** = Total belt thickness
 *** = Ømin is the minimum allowable diameter in mm for the base belt and TX the total thickness of the belt - coating
 **** = The resistance to lubricant oils strongly depends by additive package. Chemical nature of the oil and viscosity. In case of very sensitive applications, an additional check must be considered.
 Further coating materials and thicknesses on request.
 The tolerances of the total thickness and the flatness can be reduced by additional grinding.